

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

In re the application of: Mark E. Patton  
For: Control System for Vibration Employing Piezoelectric Strain Actuators  
Filed: 1/15/04  
Application No.:  
Art Unit:  
Attorney Docket No.: BW-DKT00110B

**INFORMATION DISCLOSURE STATEMENT**

**List of Sections Forming Part of This Information Disclosure Statement**

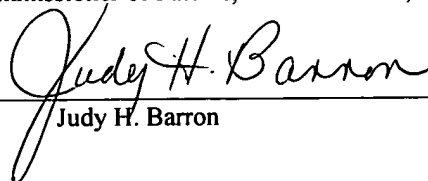
The following sections are being submitted for this information Disclosure Statement

1. ☒ Preliminary Statements
2. ☒ FORM PTO - 1449 (Modified)
3. ☐ Statement As To Information Material To Examination Not Found in Patents or Publications
4. ☒ Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies Are Submitted Or Need Be Submitted.
5. ☐ Cumulative patents or Publications
6. ☐ Copies of Listed Information Items Accompanying This Statement
7. ☐ Concise Explanation of Non-English Language Listed Information Items.
8. ☐ Translation(s) of Non-English Language Documents
9. ☐ Certification under MPEP 609(e)
10. ☒ Identification of Person(s) Making This Information Disclosure Statement

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**CERTIFICATE OF MAILING**

[X] Express Mail No: EV08988 4035 Date: 1/15/04  
I hereby certify that this correspondence is being deposited with the United States Postal Service, return receipt requested in an envelope addressed to: Mail Stop DD, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date.

  
Judy H. Barron

• **Section 1. Preliminary statements**

Applicant submits herewith patents, publications or other information of which he is aware, which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.56(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

**Section 2. Form PTO - 1449 (Modified) (SEE ATTACHMENT)**

\*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance or not considered. Include a copy of this form with the next communication to applicant.

**Section 3. Statement As To Information Material For Examination Not Found in Patents or Publications (Information not listed in PTO 1449)**

**Section 4. Identification of Prior Application in Which Listed Information Was Already Cited and For Which No Copies Are Submitted Or Need Be Submitted**

09/950,406 (filed - 09/11/01)  
AA through AH (already submitted)

**Section 5. Cumulative Patents or Publications**

☐ Item(s)

are cumulative of the following patents or publication listed on Form PTO 1449 (modified):

In accordance with 37 CFR 1.98(c) a copy of \_\_\_\_\_ is being submitted with this information disclosure statement.

**Section 6. Copies of Listed Information Items Accompanying This Statement**

Legible copies of all items listed accompany this information statement.

☐ Exception(s) to above:

☐ Items in prior application from which an earlier filing date is claimed for this application as identified in Section 4.

☐ Cumulative patents or publications identified in Section 5.

**Section 7. Concise Explanation of Non-English Language Listed Information Items**

**Section 8. Translation(s) of Non-English Language Documents**

☐ Submitted herewith is an English translation of the following foreign language patents, publications or information or of those portions of those patents, publications or information considered to be material:

☐ No English language translations of the foreign language patents, publications or information or parts thereof are readily available, except for those listed above.

☐ The following foreign language documents submitted are believed to be the equivalent or

substantial equivalent of the English language documents identified below, which are also submitted herewith.

### Section 9. Certification under Rule 1.97

☐ The undersigned hereby certifies that:

a. This Statement is being filed after the latest of (1) three months after the filing date of a national application; (2) three months after the date of entry of the national stage as set forth in w 1.491 in an international application; (3) the mailing date of a first Office action on the merits.

b. The fee set forth in §1.17(p)

☐ Is being paid with this Information Disclosure Statement

☐ Is not due because:

☐ (1) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement, or

☐ (2) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the statement.

### Section 10. IDENTIFICATION OF PERSON(S) MAKING THIS INFORMATION DISCLOSURE STATEMENT

The person making this statement is

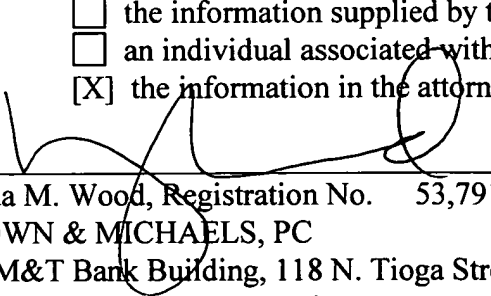
(a) ☐ the inventor(s) who signs below

(b) ☒ the attorney who signs below on the basis of:

☐ the information supplied by the inventor(s)

☐ an individual associated with the filing and prosecution of this application (37 CFR 1.56(c)).

☒ the information in the attorney's file

  
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11/15/04  
Date:

FORM PTO-1449 U.S. DEPT. OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. BW-DKT00110B	SERIAL NO.
	APPLICANT Mark E. Patton	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE 1/15/04	GROUP

**U.S. PATENT DOCUMENTS**

Exam Initial		DOCUMENT NUMBER	DATE	PATENTEE	CLASS	SUB	FILING DATE IF APPROPR

**FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION**

Exam Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB	TRANSLATION YES   NO

**OTHER PRIOR ART**

Exam Initial		Author, Title, Date, Pertinent Pages, Etc
EXAMINER		DATE CONSIDERED

FORM PTO-1449 U.S. DEPT. OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. BW-DKT00110	SERIAL NO. 09/950,406
	APPLICANT Mark E. Patton	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE 09/11/01	GROUP

## U.S. PATENT DOCUMENTS

Exam Initial		DOCUMENT NUMBER	DATE	PATENTEE	CLASS	SUB	FILING DATE IF APPROPR
	AA	5,458,222	10/17/95	Pla et al	188	378	
	AB	5,498,127	03/12/96	Kraft et al	415	119	
	AC	5,656,882	08/12/97	Lazarus et al	310	328	
	AD	5,687,462	11/18/97	Lazarus et al	29	25.35	
	AE	5,812,684	09/22/98	Mark, Joseph	381	86	
	AF	5,857,694	06/12/99	Lazarus et al	280	602	
	AG	6,138,996	10/31/00	Hayashi et al	267	136	
	AH	6,178,246	01/23/01	Bebesel et al	381	71.2	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exam Initial		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB	TRANSLATION YES   NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

## OTHER PRIOR ART

Exam Initial		Author, Title, Date, Pertinent Pages, Etc
	AR	
EXAMINER		DATE CONSIDERED